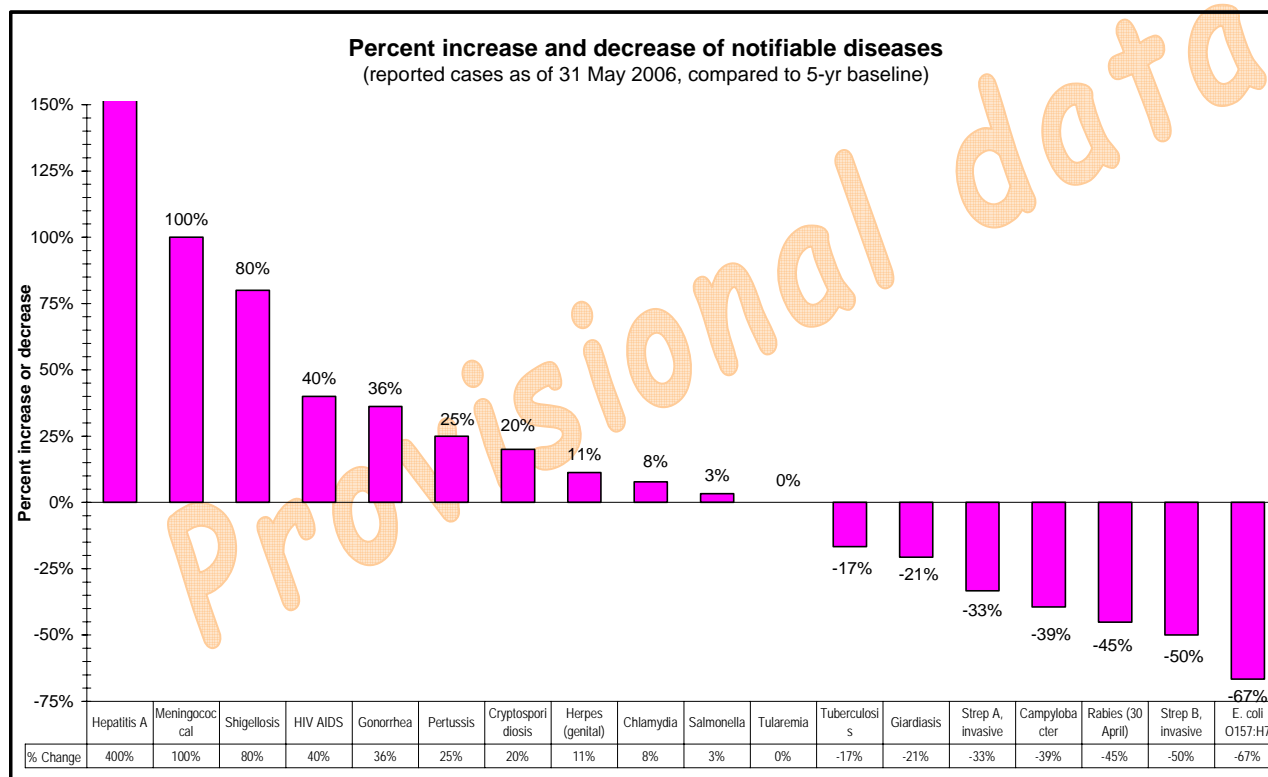


SOUTH DAKOTA INFECTIOUS DISEASE SUMMARY: 1 January – 31 May 2006**These data are provisional.**

Disease/agent	Cases YTD	Incidence YTD	5-year median cases	Percent increase / decrease	Comments
Hepatitis A	5	0.6	1	400%	No cases in May
Meningococcal	2	0.3	1	100%	No cases since March
Shigellosis	27	3.5	15	80%	Recent cases in Central and West Regions
HIV AIDS	14	1.8	10	40%	Highest rate in Southeast Region
Gonorrhea	143	18.6	105	36%	Highest rate in Central Region
Pertussis	5	0.6	4	25%	80% of cases < 15-years old
Cryptosporidiosis	12	1.6	10	20%	80% of cases in Yankton County
Herpes (genital)	148	19.2	133	11%	Highest rate in Southeast Region
Chlamydia	1094	141.9	1015	8%	Highest rate in West and Central Regions
Salmonella	31	4.0	30	3%	Highest rate in Central Region
Tularemia	1	0.1	1	0%	Case in Central Region
Tuberculosis	5	0.6	6	-17%	3 of 5 cases in West Region
Giardiasis	23	3.0	29	-21%	50% of cases 7-years old and younger
Strep A, invasive	6	0.8	9	-33%	2 cases reported in May
Campylobacter	40	5.2	66	-39%	Recent cases in Central and Northeast Regions
Rabies (4-30-06)	17	NA	31	-45%	9+ skunks, 4+ cats, 4+ cows
Strep B, invasive	4	0.5	8	-50%	No cases reported in May
E. coli O157:H7	1	0.1	3	-67%	1 O157:H7, 2 other shiga-toxin producing <i>E. coli</i>

Diseases may be reported to the SD Dept of Health at <http://www.state.sd.us/doh/diseasereport>

Incidence = cases reported per 100,000 population.

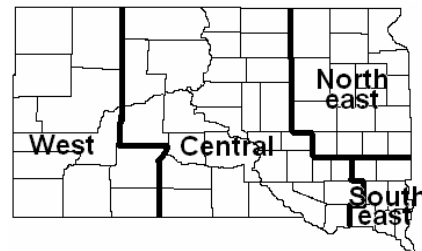
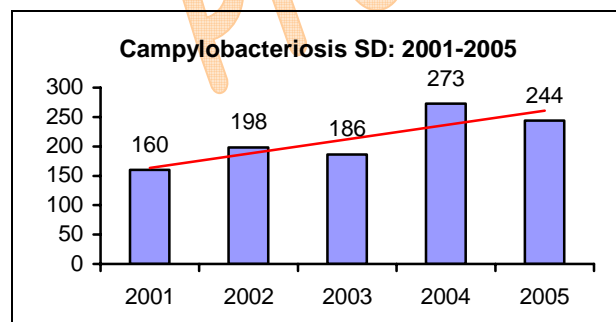
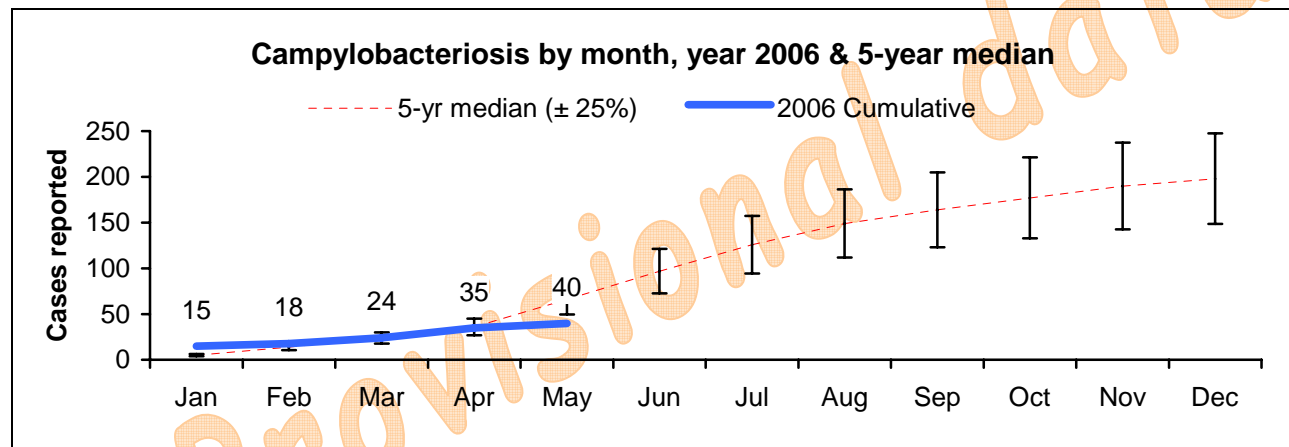
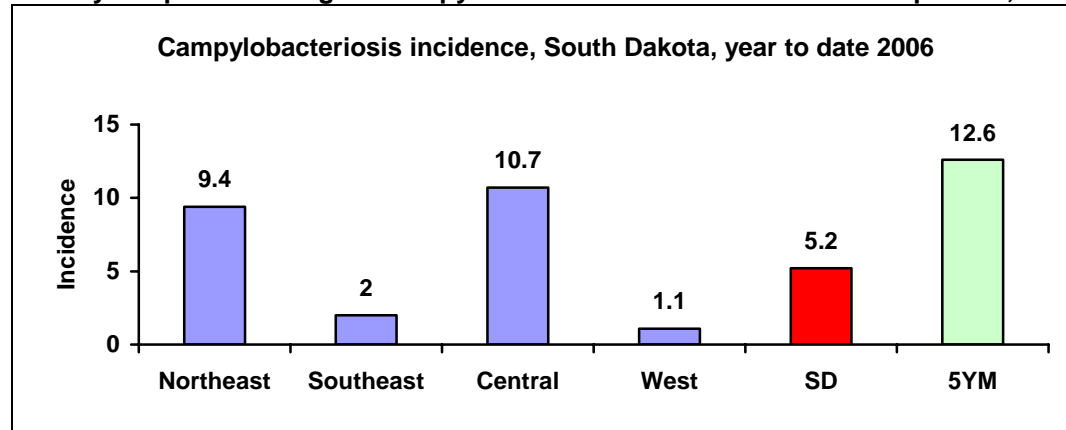
***Confidential disease reporting line 1-800-592-1804**

5YM= 5-year median

Population based on 2003 estimates

CAMPYLOBACTERIOSIS			#					
Region	Pop	cases	Incidence	Jan	Feb	Mar	Apr	May
NorthEast Region	181,370	17	9.4	6	0	4	5	2
SouthEast Region	256,093	5	2.0	1	0	1	2	1
Central Region	148,946	16	10.7	7	3	1	5	0
Western Region	189,524	2	1.1	0	0	0	0	2
West River	234,700	4	1.7	0	0	0	2	2
East River	541,233	36	6.7	14	3	6	10	3
South Dakota YTD	775933	40	5.2	14	3	6	12	5

Healthy People 2010 Target: Campylobacter foodborne infections 12.3 per 100,000 per year



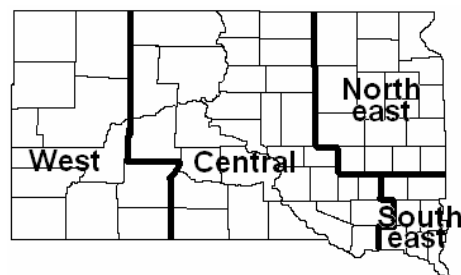
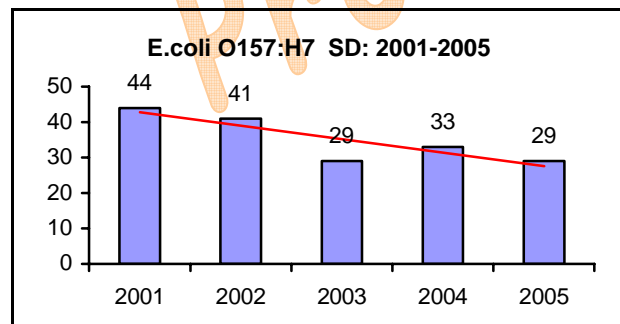
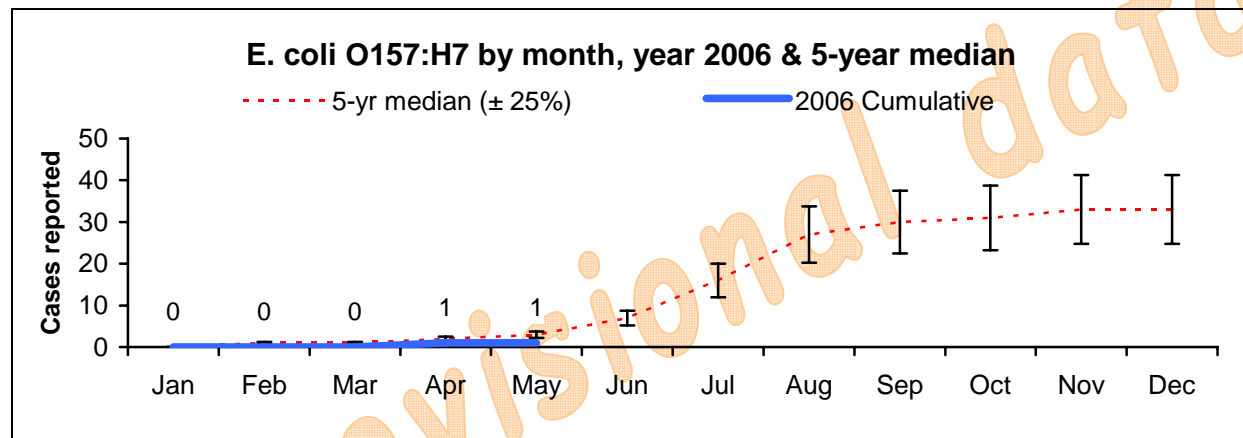
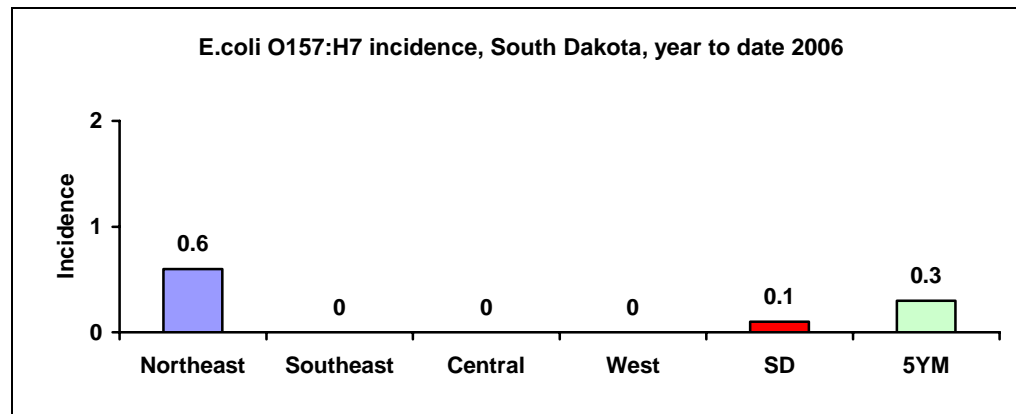
Incidence = cases reported per 100,000 population.

*Confidential disease reporting line 1-800-592-1804

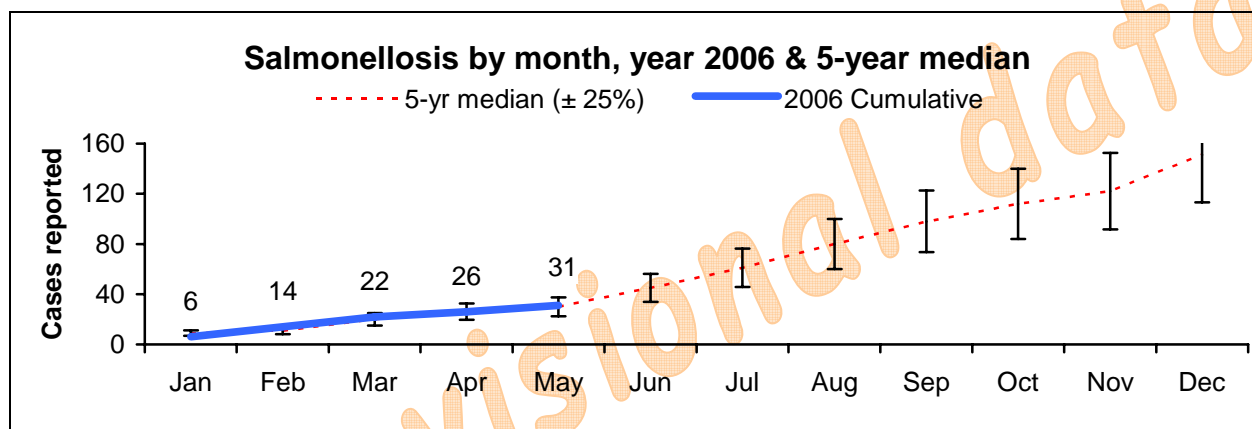
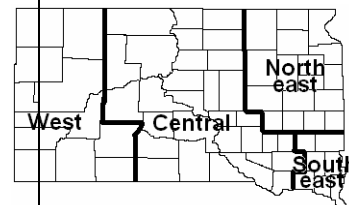
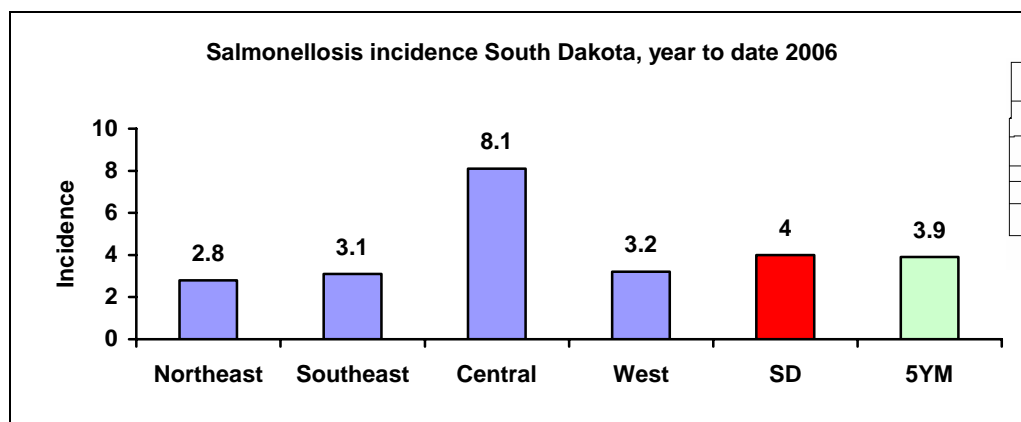
5YM= 5-year median

Population based on 2003 estimates

E. coli O157:H7		#							
Region	Pop	cases	Incidence	Jan	Feb	Mar	Apr	May	
NorthEast Region	181,370	1	0.6	0	0	0	1	0	
SouthEast Region	256,093	0	0.0	0	0	0	0	0	
Central Region	148,946	0	0.0	0	0	0	0	0	
Western Region	189,524	0	0.0	0	0	0	0	0	
West River	234,700	0	0.0	0	0	0	0	0	
East River	541,233	1	0.2	0	0	0	1	0	
South Dakota YTD	775,933	1	0.1	0	0	0	1	0	

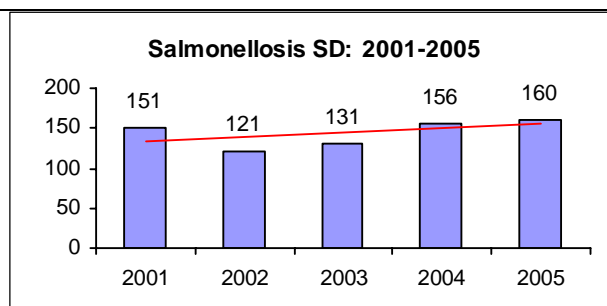


SALMONELLOSIS									
Region	Pop	# cases	Incidence	Jan	Feb	Mar	Apr	May	
NorthEast Region	181,370	5	2.8	1	0	2	0	2	
SouthEast Region	256,093	8	3.1	1	1	4	1	1	
Central Region	148,946	12	8.1	2	5	0	3	2	
Western Region	189,524	6	3.2	2	2	2	0	0	
West River	234,700	11	4.7	2	7	2	0	0	
East River	541,233	20	3.7	4	1	6	4	5	
South Dakota YTD	775,933	31	4.0	6	8	8	4	5	



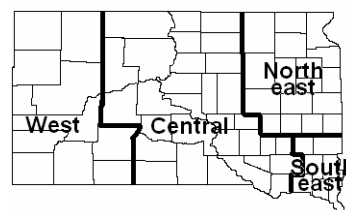
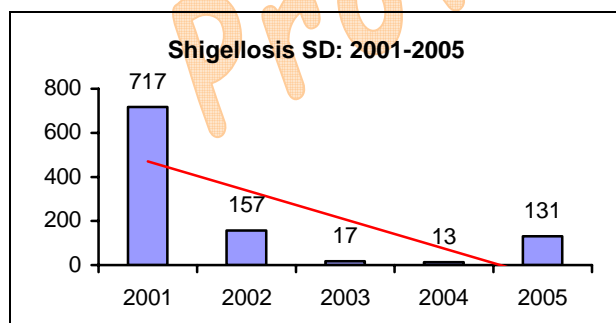
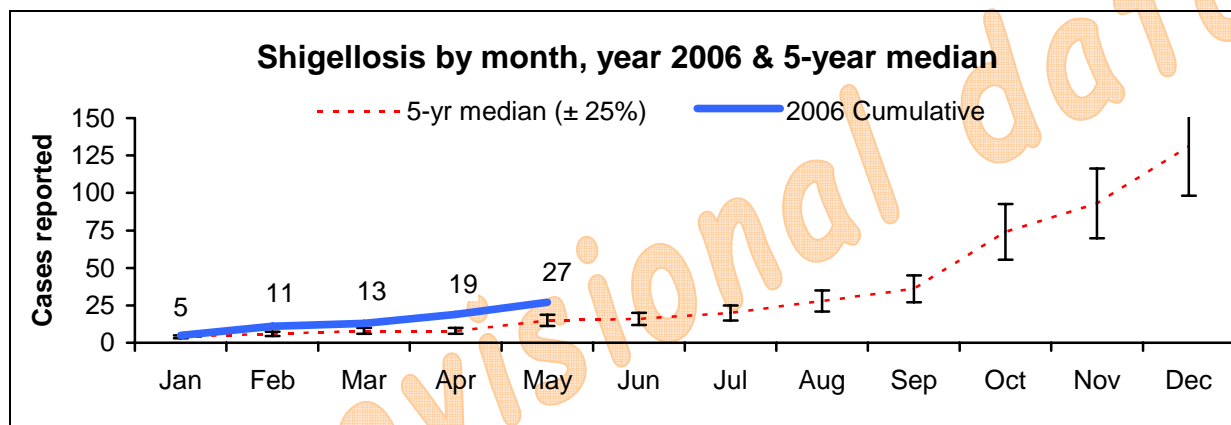
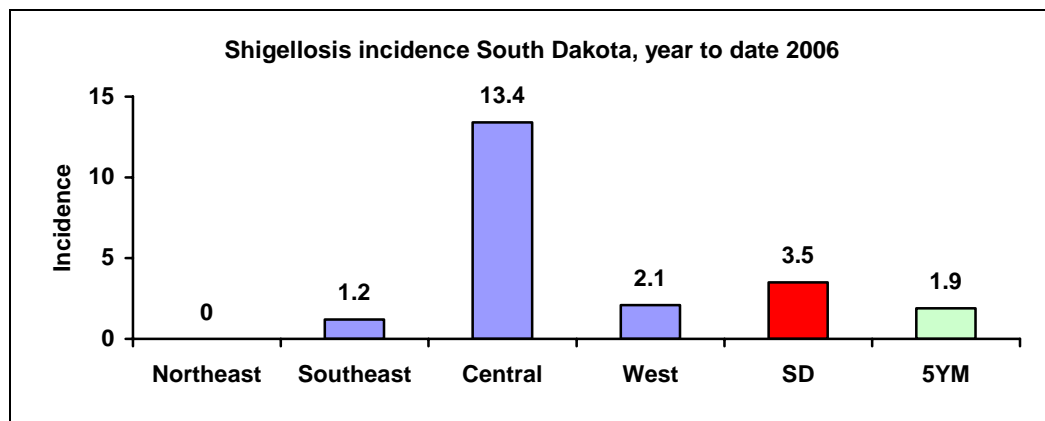
One case of imported *Salmonella Typhi* reported.

Salmonella serotypes	TOTAL
S. enteritidis	3
S. heidelberg	2
S. montevideo	3
S. newport	2
S. typhi	1
S. typhimurium	7
Other serotypes	12
TOTAL	31



SHIGELLOSIS									
Region	Pop	# cases	Incidence	Jan	Feb	Mar	Apr	May	
NorthEast Region	181,370	0	0.0	0	0	0	0	0	
SouthEast Region	256,093	3	1.2	1	1	1	0	0	
Central Region	148,946	20	13.4	4	5	0	5	6	
Western Region	189,524	4	2.1	0	0	1	1	2	
West River	234,700	21	8.9	3	3	1	6	8	
East River	541,233	6	1.1	2	3	1	0	0	
South Dakota YTD	775,933	27	3.5	5	6	2	6	8	

Shigella species: All *Shigella sonnei*



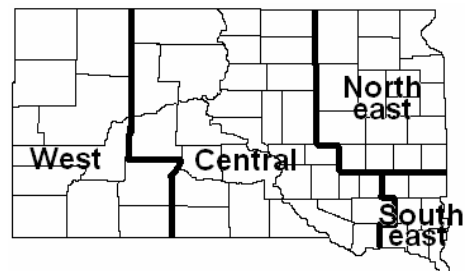
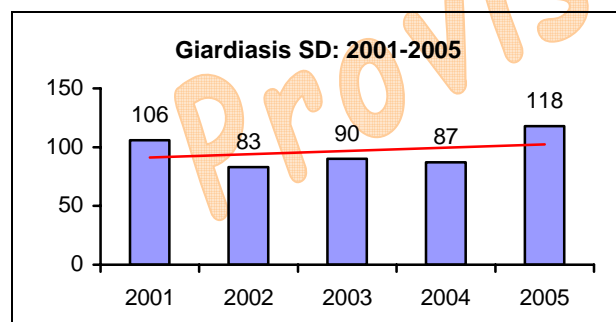
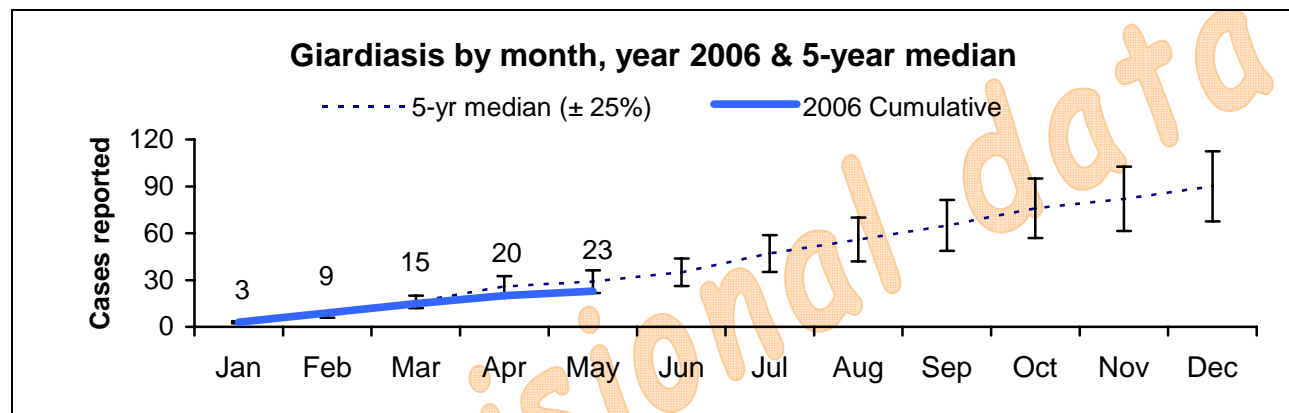
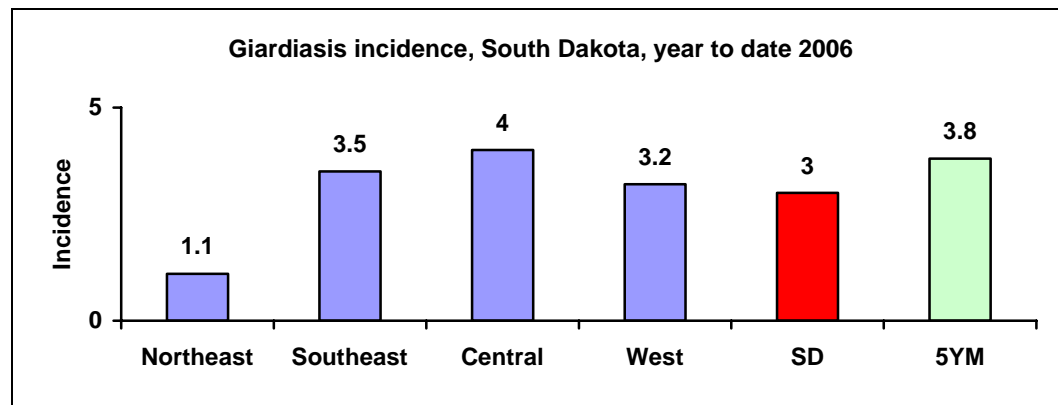
Incidence = cases reported per 100,000 population.

*Confidential disease reporting line 1-800-592-1804

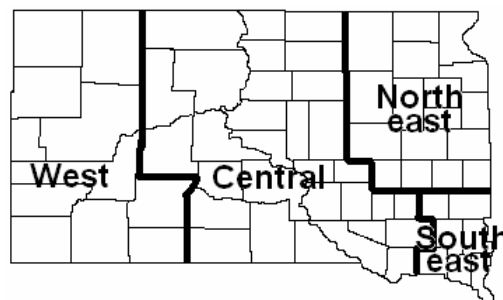
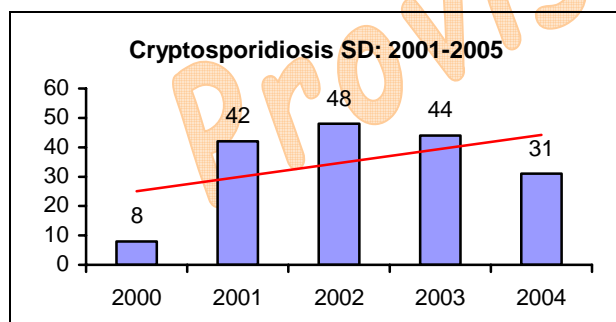
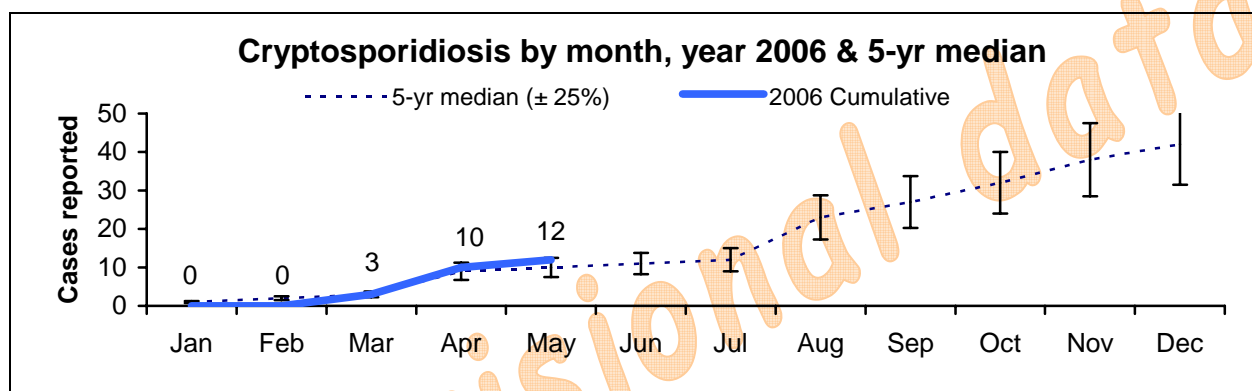
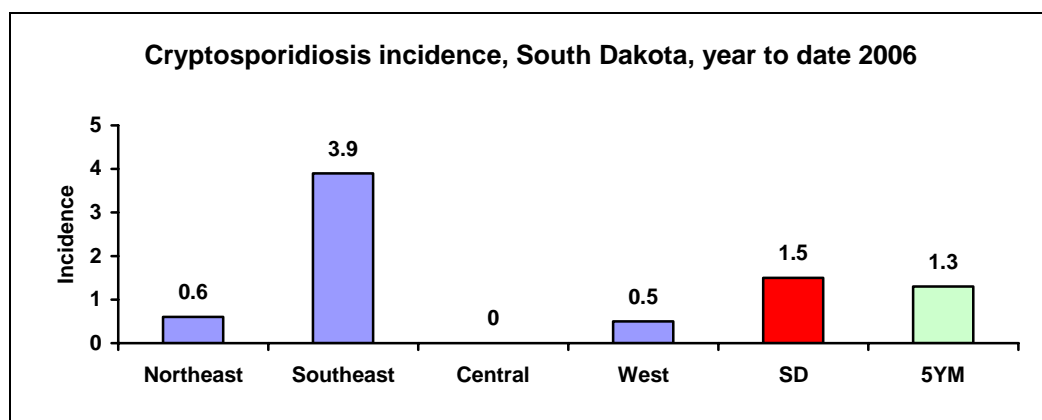
5YM= 5-year median

Population based on 2003 estimates

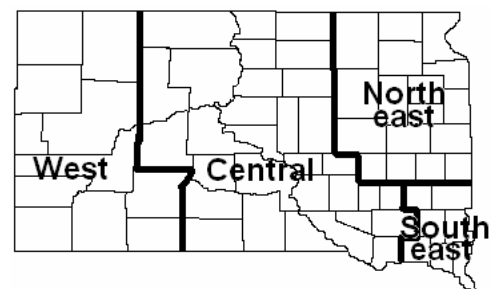
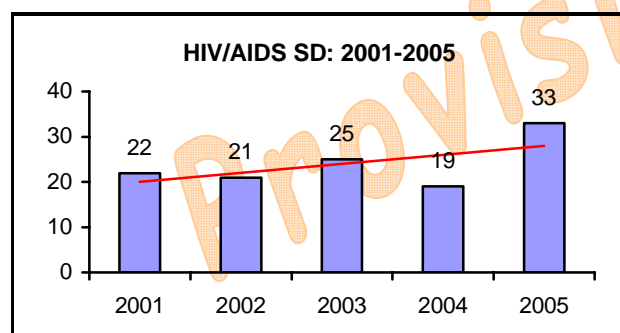
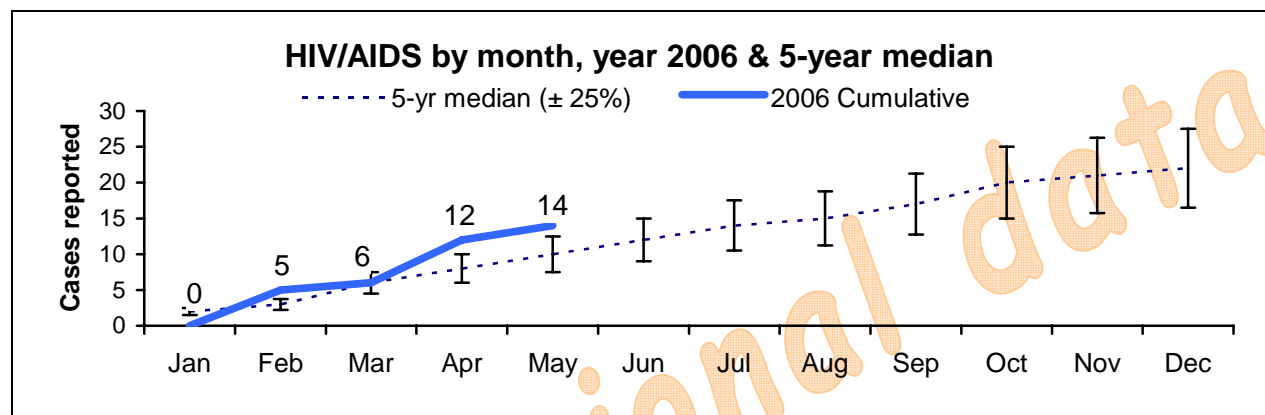
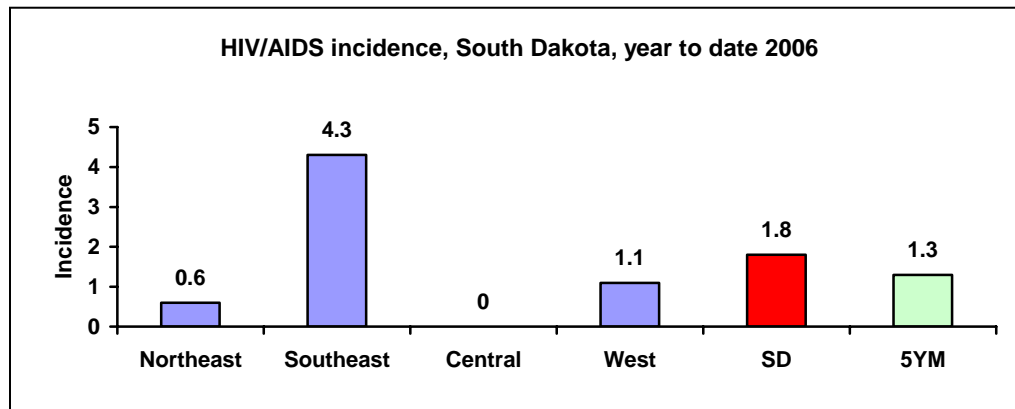
GIARDIASIS					#				
Region	Pop	cases	Incidence		Jan	Feb	Mar	Apr	May
NorthEast Region	181,370	2	1.1		0	2	0	0	0
SouthEast Region	256,093	9	3.5		0	1	2	4	2
Central Region	148,946	6	4.0		1	2	2	0	1
Western Region	189,524	6	3.2		2	1	2	1	0
West River	234,700	6	2.6		2	1	2	1	0
East River	541,233	17	3.1		1	5	4	4	3
South Dakota YTD	775,933	23	3.0		3	6	6	5	3



CRYPTOSPORIDIOSIS			#					
Region	Pop	cases	Incidence	Jan	Feb	Mar	Apr	May
NorthEast Region	181,370	1	0.6	0	0	0	0	1
SouthEast Region	256,093	10	3.9	0	0	3	6	1
Central Region	148,973	0	0.0	0	0	0	0	0
Western Region	189,524	1	0.5	0	0	0	1	0
West River	234,727	1	0.4	0	0	0	1	0
East River	541,233	11	2.0	0	0	3	6	2
South Dakota YTD	775,960	12	1.5	0	0	3	7	2

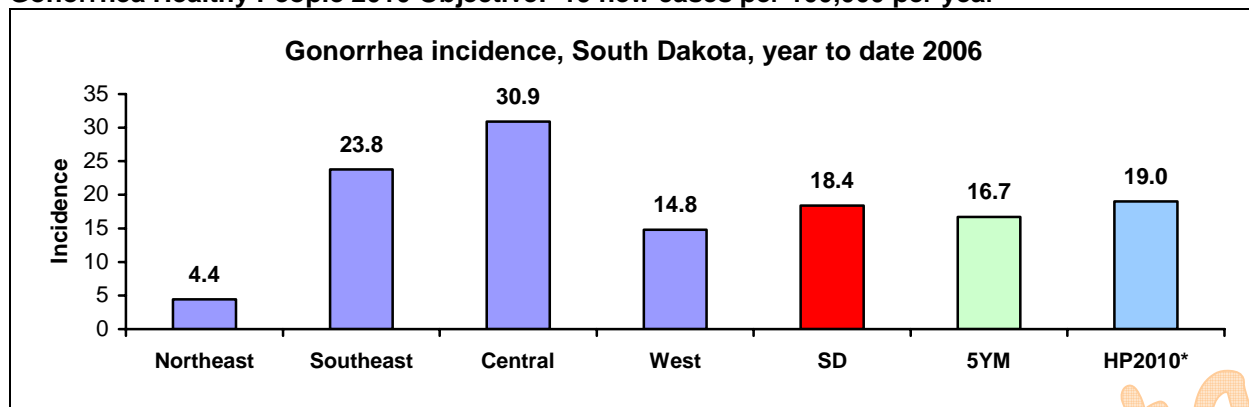


HIV / AIDS								
REGION	Pop	# cases	Incidence	Jan	Feb	Mar	Apr	May
NorthEast Region	174,471	1	0.6	0	1			
SouthEast Region	256,093	11	4.3	0	4	1	5	1
Central Region	155,845	0	0.0	0				
Western Region	189,524	2	1.1	0			1	1
South Dakota YTD	775,933	14	1.8	0	5	1	6	2

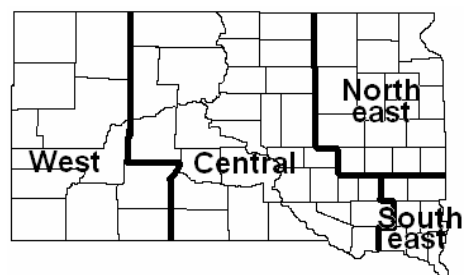
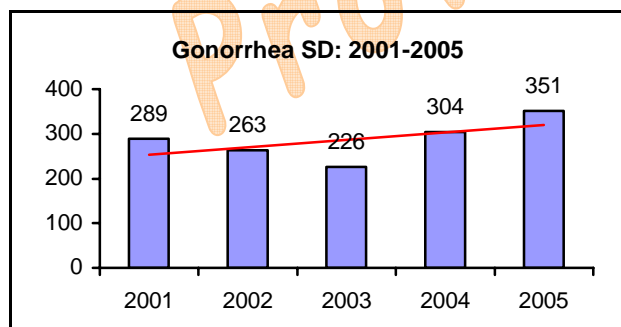
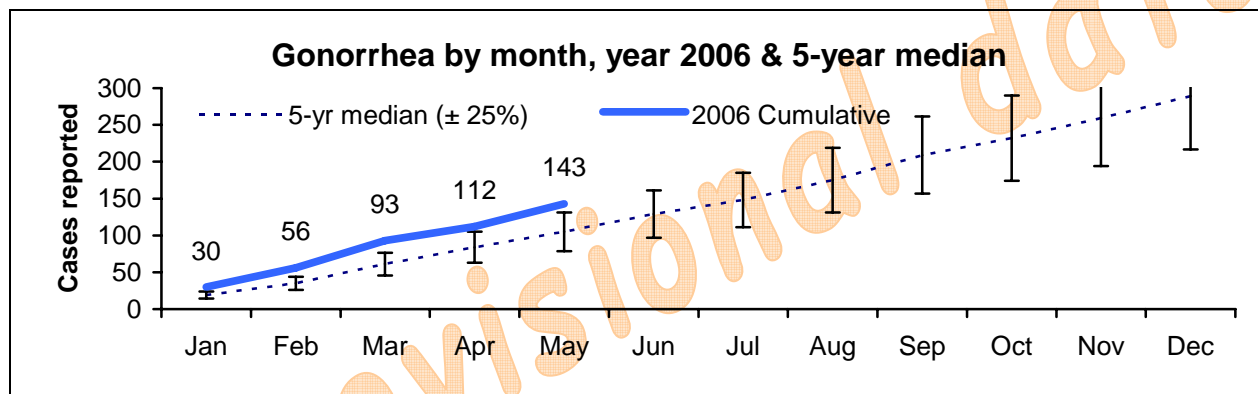


GONORRHEA										
Region	Pop	# cases	Incidence	Jan	Feb	Mar	Apr	May		
NorthEast Region	181,370	8	4.4	1	2	1	2	2		
SouthEast Region	256,093	61	23.8	8	6	22	9	16		
Central Region	148,946	46	30.9	14	10	9	6	7		
Western Region	189,524	28	14.8	7	8	4	3	6		
West River	234,700	62	26.4	17	14	12	9	10		
East River	541,233	81	15.0	13	12	24	11	21		
South Dakota YTD	775,933	143	18.4	30	26	36	20	31		

Gonorrhea Healthy People 2010 Objective: 19 new cases per 100,000 per year



*Healthy People 2010 Objective for full year.



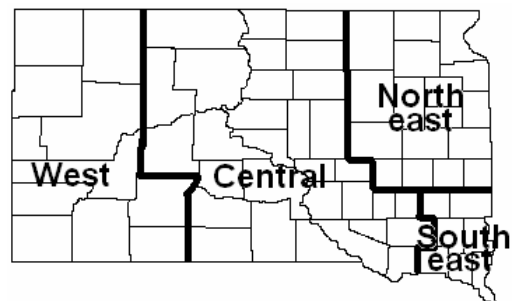
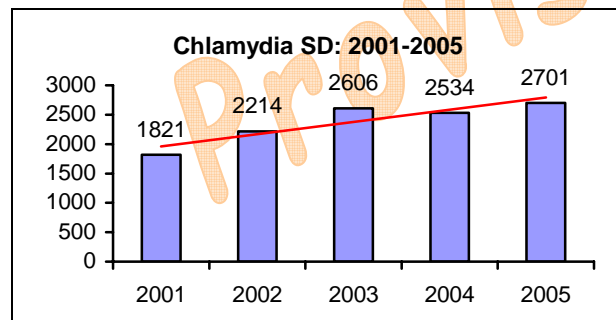
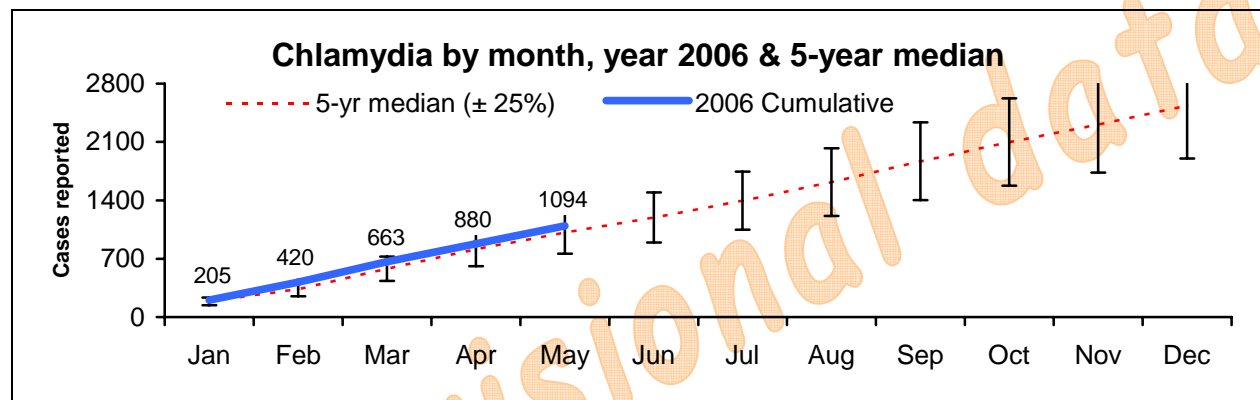
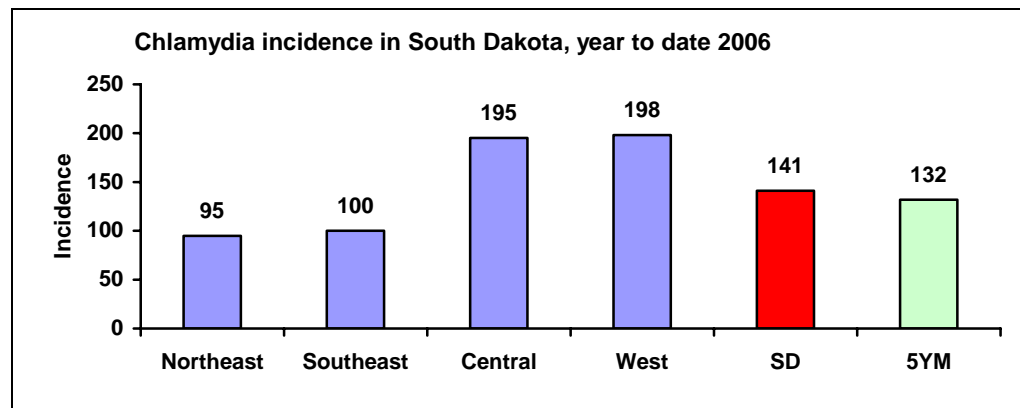
Incidence = cases reported per 100,000 population.

*Confidential disease reporting line 1-800-592-1804

5YM= 5-year median

Population based on 2003 estimates

CHLAMYDIA TRACHOMATIS	Pop	# cases	Incidence	Jan	Feb	Mar	Apr	May
NorthEast Region	181,370	172	94.8	18	35	37	41	41
SouthEast Region	256,093	255	99.6	50	51	66	38	50
Central Region	148,973	291	195.3	60	55	73	52	51
Western Region	189,524	376	198.4	77	74	67	85	73
West River	234,727	564	240.3	111	108	110	125	110
East River	541,233	530	97.9	94	107	133	91	105
South Dakota YTD	775,960	1,094	141.0	205	215	243	216	215



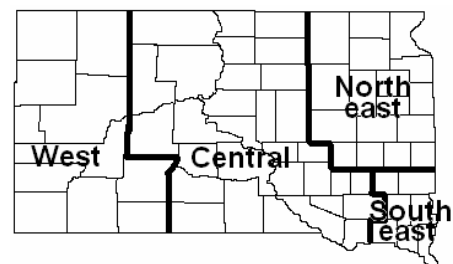
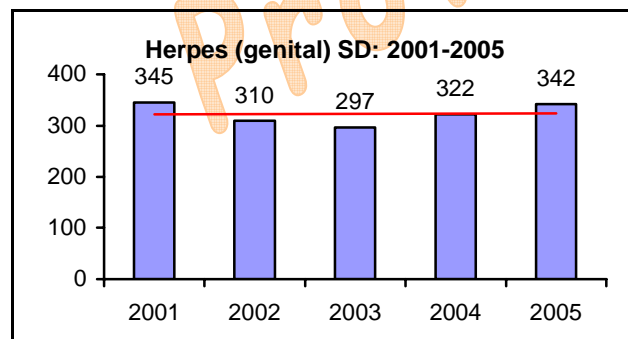
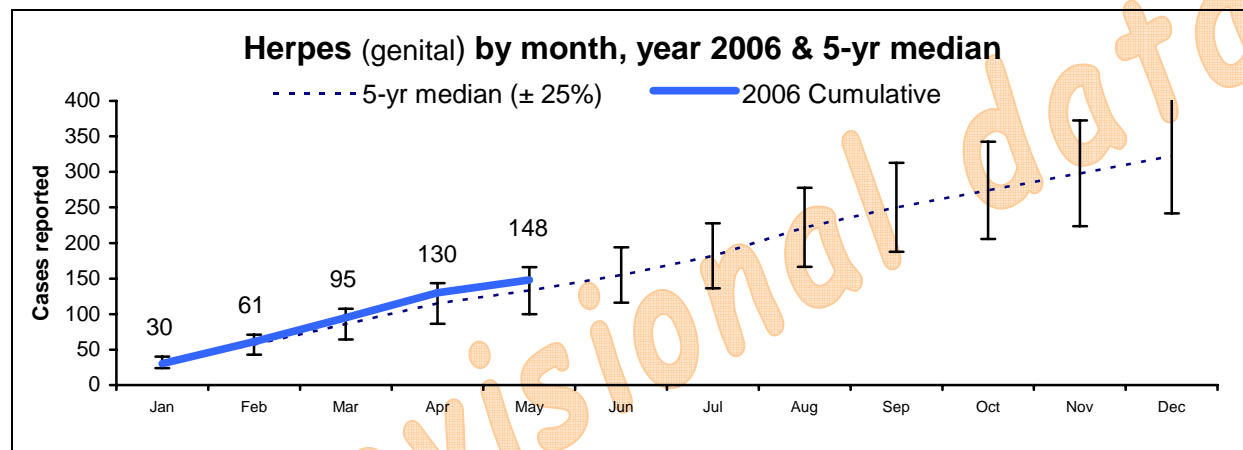
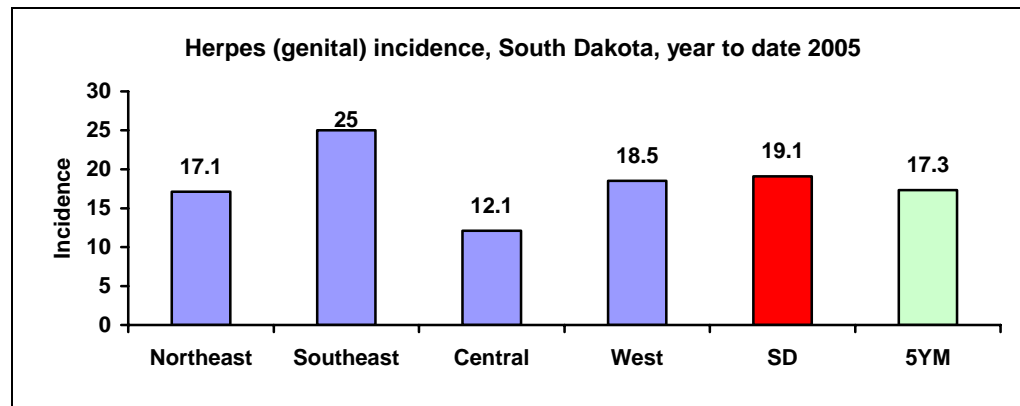
Incidence = cases reported per 100,000 population.

*Confidential disease reporting line 1-800-592-1804

5YM= 5-year median

Population based on 2003 estimates

GENITAL HERPES		#						
Region	Pop	cases	Incidence	Jan	Feb	Mar	Apr	May
NorthEast Region	181,370	31	17.1	5	8	9	6	3
SouthEast Region	256,093	64	25.0	13	14	17	13	7
Central Region	148,973	18	12.1	4	1	5	6	2
Western Region	189,524	35	18.5	8	7	3	11	6
West River	234,727	40	17.0	9	8	5	12	6
East River	541,233	108	20.0	21	22	29	24	12
South Dakota YTD	775,960	148	19.1	30	30	34	36	18



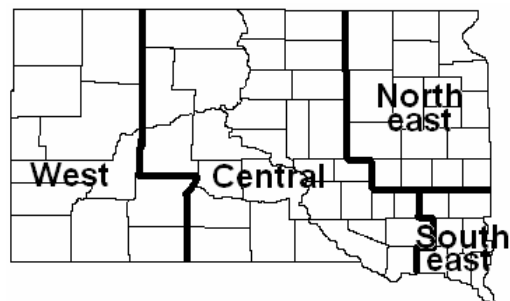
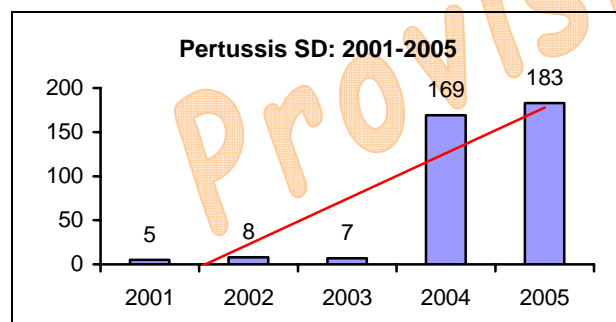
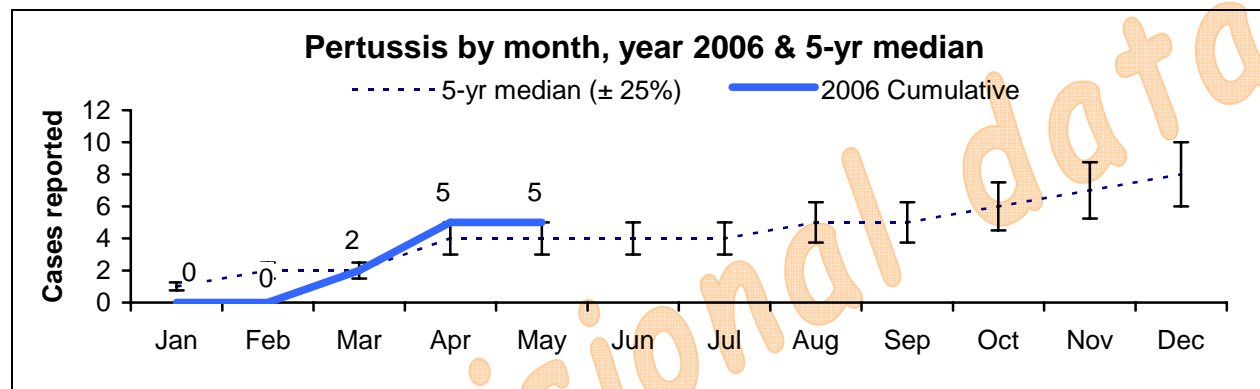
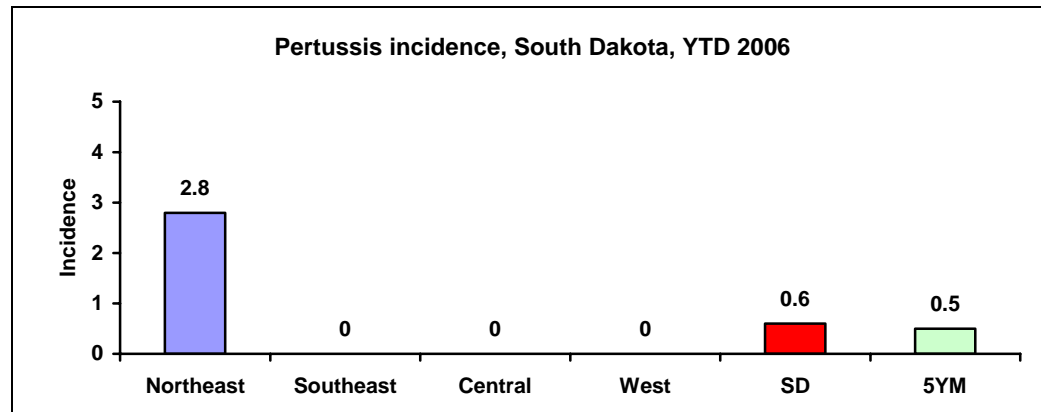
Incidence = cases reported per 100,000 population.

*Confidential disease reporting line 1-800-592-1804

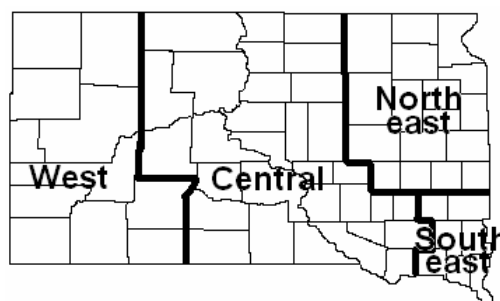
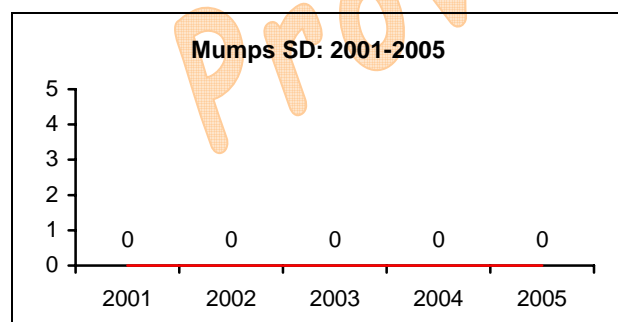
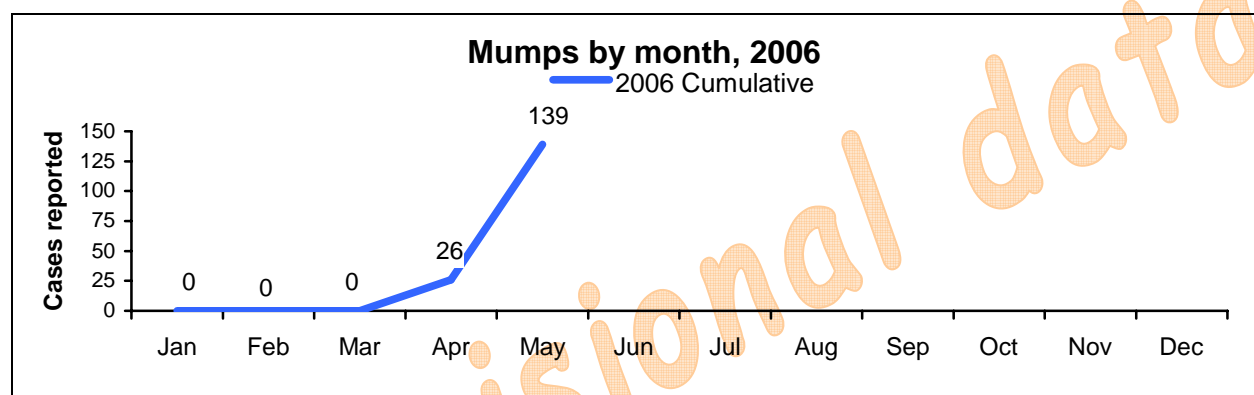
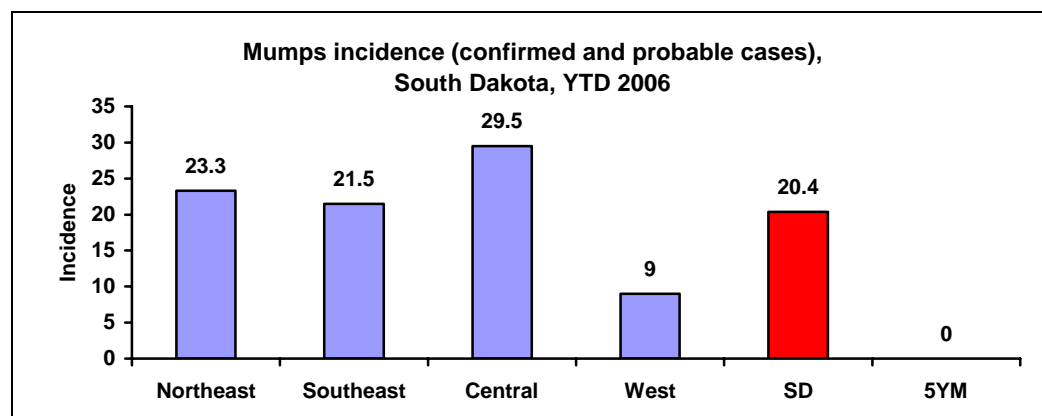
5YM= 5-year median

Population based on 2003 estimates

PERTUSSIS									
Region	Pop	# cases	Incidence	Jan	Feb	Mar	Apr	May	
NorthEast Region	181,370	5	2.8	0	0	2	3	0	
SouthEast Region	256,093	0	0.0	0	0	0	0	0	
Central Region	148,973	0	0.0	0	0	0	0	0	
Western Region	189,524	0	0.0	0	0	0	0	0	
West River	234,727	0	0.0	0	0	0	0	0	
East River	541,233	5	0.9	0	0	2	3	0	
South Dakota YTD	775,960	5	0.6	0	0	2	3	0	

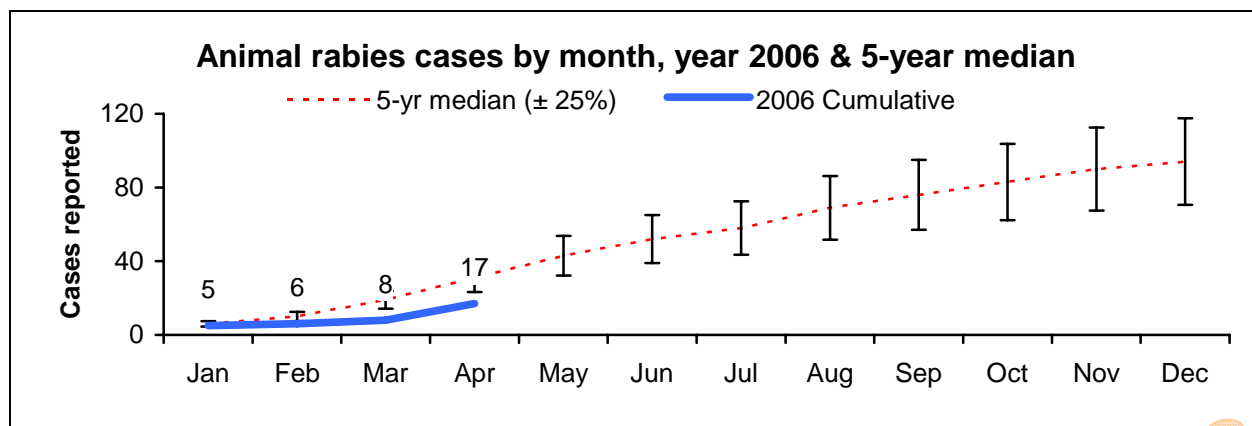


MUMPS				
REGION	Pop	# cases	Incidence	1 Apr-9 Jun
NorthEast Region	181,370	42	23.2	42
SouthEast Region	256,093	55	21.5	55
Central Region	148,973	44	29.5	44
Western Region	189,524	17	9.0	17
West River	234,727	24	10.2	24
East River	541,233	134	24.8	134
South Dakota YTD	775,960	158	20.4	158

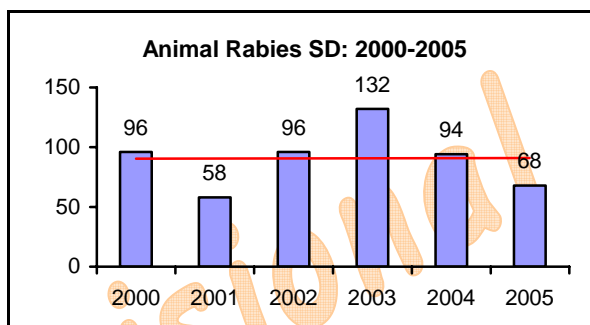


Animal Rabies in South Dakota, 1 January – 30 April 2006.

<u>County</u>	<u>Rabid animals</u>	<u>County</u>	<u>Rabid animals</u>
Bon Homme	Skunk 2;	Hughes	Cat 1;
Brown	Cat 2; bovine 1;	Marshall	Bovine 1;
Clark	Cat 1; skunk 1;	Meade	Skunk 1;
Clay	Skunk 1;	Minnehaha	Skunk 1;
Deuel	Skunk 1;	Moody	Skunk 1;
Faulk	Skunk 1;	Walworth	Bovine 1;
Hanson	Bovine 1;		



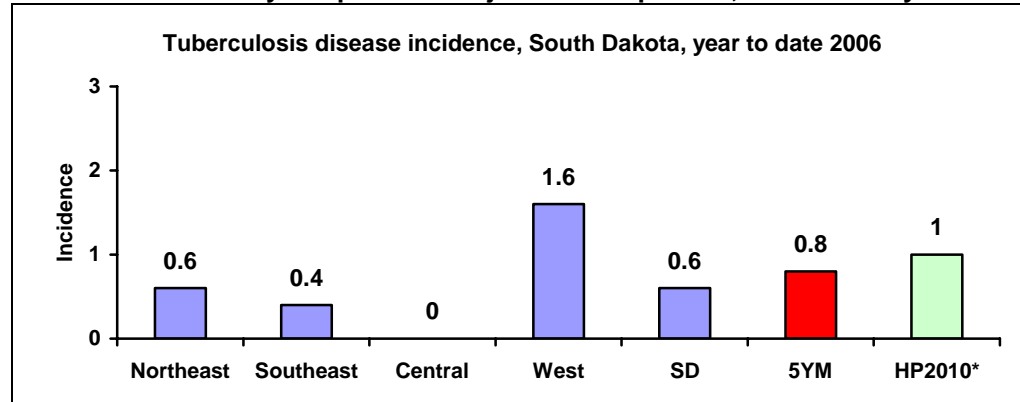
Animal	Number Positive
Bat	0
Cattle	4
Dog	0
Horse	0
Cat	4
Skunk	9
Raccoon	0
Other*	0
Total	17



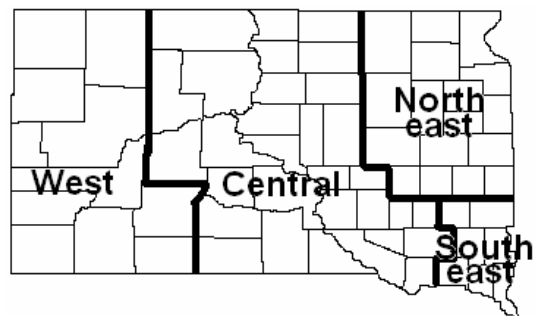
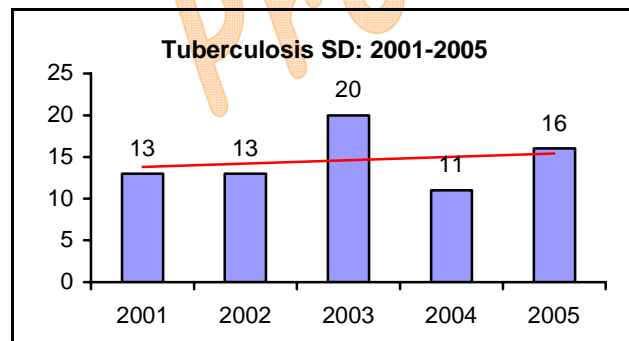
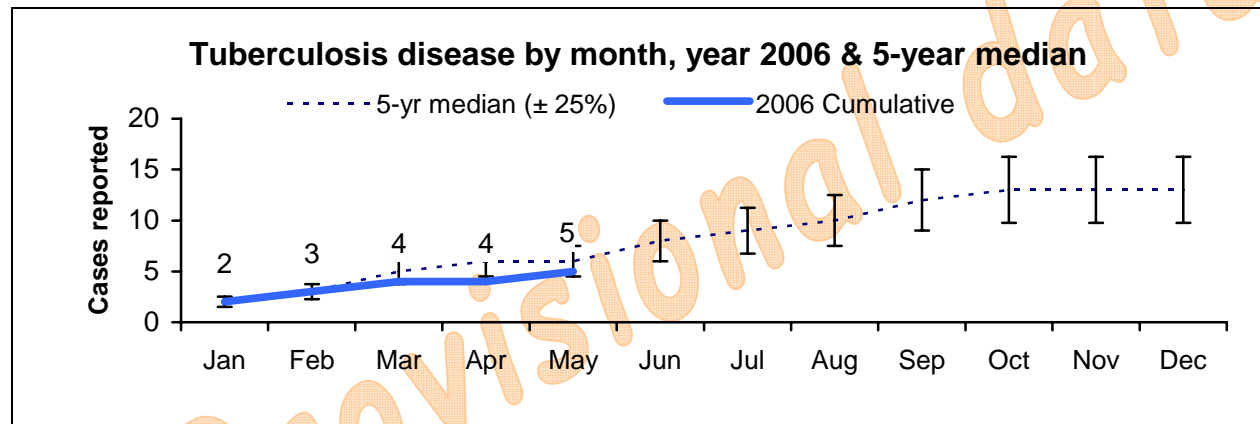
*Animals testing negative include: bat 6, beaver 1, bovine 15, cat 33, coyote 1, deer 3, dog 27, horse 2, kangaroo 1, opossum 1, prairie dog 1, rabbit 1, raccoon 11, skunk 4.

TUBERCULOSIS DISEASE								
Region	Pop	# cases	Incidence	Jan	Feb	Mar	Apr	May
NorthEast Region	181,370	1	0.6	0	1	0	0	0
SouthEast Region	256,093	1	0.4	1	0	0	0	0
Central Region	148,973	0	0.0	0	0	0	0	0
Western Region	189,524	3	1.6	1	0	1	0	1
West River	234,727	3	1.3	1	0	1	0	1
East River	541,233	2	0.4	1	1	0	0	0
South Dakota YTD	775,960	5	0.6	2	1	1	0	1

Tuberculosis Healthy People 2010 Objective: 1.0 per 100,000 for a full year.



*Healthy People 2010 Objective for full year.



Incidence = cases reported per 100,000 population.

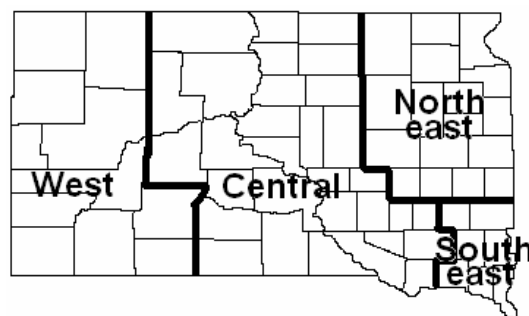
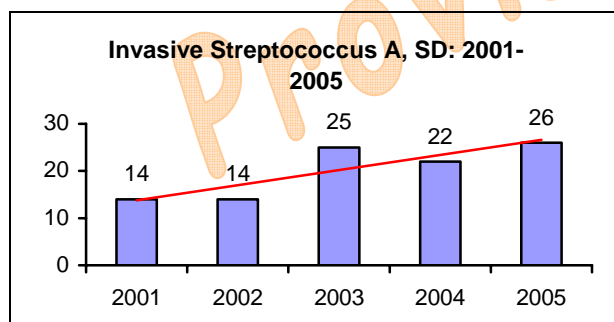
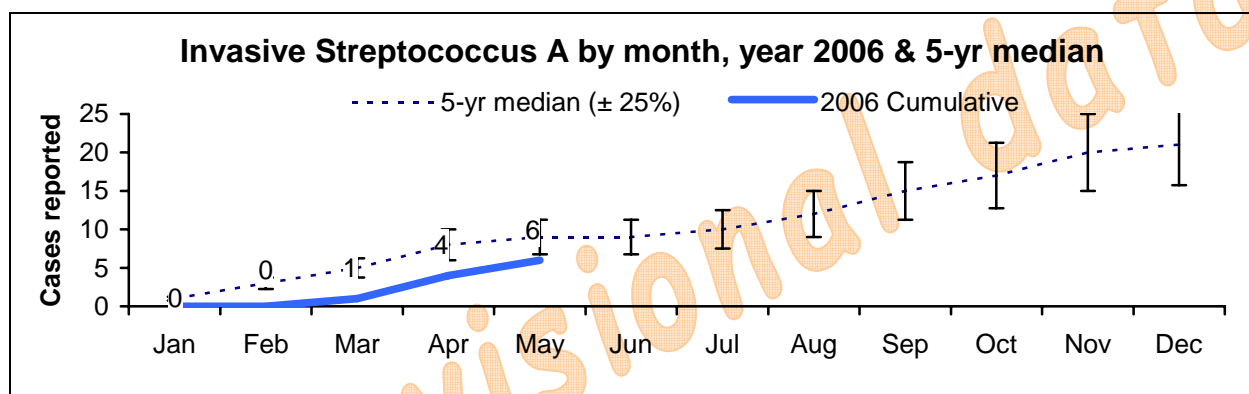
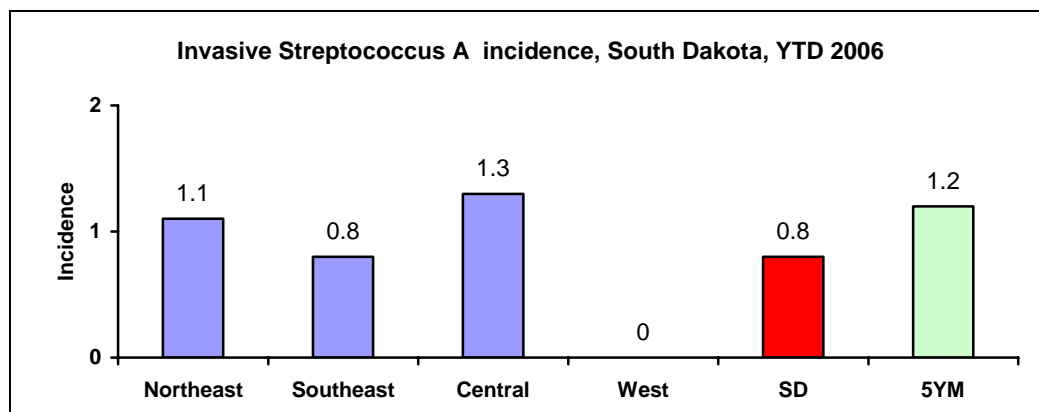
*Confidential disease reporting line 1-800-592-1804

5YM= 5-year median

Population based on 2003 estimates

STREPTOCOCCUS GROUP A, Invasive

Region	Pop	# cases	Incidence	Jan	Feb	Mar	Apr	May
NorthEast Region	181,370	2	1.1	0	0	1	1	0
SouthEast Region	256,093	2	0.8	0	0	0	1	1
Central Region	148,973	2	1.3	0	0	0	1	1
Western Region	189,524	0	0.0	0	0	0	0	0
West River	234,727	1	0.4	0	0	0	1	0
East River	541,233	5	0.9	0	0	1	2	2
South Dakota YTD	775,960	6	0.8	0	0	1	3	2



Other low incidence or newly reportable diseases in South Dakota, YTD2006

- Hepatitis A, acute 5 cases
- Listeriosis, 2 cases
- Legionnaires disease, 2 cases (1 Southeast Region, 1 West Region)
- Malaria (*P. vivax*), 1 case (imported)
- Typhoid fever, 1 case (imported)
- Mumps (as of 6-9-06), 92 confirmed, 66 probables, 36 suspects
- Chronic Hepatitis C: 10 cases (new reporting)
- Streptococcus Group B, invasive. 4 cases
- Shiga-toxin producing *E. coli*, 3 cases
- Fusarium keratitis, 1 case

CHICKEN POX (varicella)									
Region	Pop	# cases	Incidence	Jan	Feb	Mar	Apr	May	
NorthEast Region	181,370	2	1.1	0	0	1	1	0	
SouthEast Region	256,093	15	5.9	2	2	0	11	0	
Central Region	148,973	4	2.7	1	2	0	1	0	
Western Region	189,524	9	4.7	6	0	0	1	2	
West River	234,727	9	3.8	6	0	0	1	2	
East River	541,233	21	3.9	3	4	1	13	0	
South Dakota YTD	775,960	30	3.9	9	4	1	14	2	

MRSA, Invasive									
Region	Pop	# cases	Incidence	Jan	Feb	Mar	Apr	May	
NorthEast Region	181,370	2	1.1	1	1	0	0	0	
SouthEast Region	256,093	5	2.0	0	1	2	2	0	
Central Region	148,973	5	3.4	1	2	1	1	0	
Western Region	189,524	0	0.0	0	0	0	0	0	
West River	234,727	0	0.0	0	0	0	0	0	
East River	541,233	12	2.2	2	4	3	3	0	
South Dakota YTD	775,960	12	1.5	2	4	3	3	0	

*Methicillin-resistant *Staphylococcus aureus* isolated from a normally sterile site such as blood or cerebral spinal fluid and joint, pleural, or pericardial fluid.

HEPATITIS A									
Region	Pop	# cases	Incidence	Jan	Feb	Mar	Apr	May	
NorthEast Region	181,370	0	0.0	0	0	0	0	0	
SouthEast Region	256,093	1	0.4	0	1	0	0	0	
Central Region	148,973	1	0.7	1	0	0	0	0	
Western Region	189,524	3	1.6	0	0	0	3	0	
West River	234,727	3	1.3	0	0	0	3	3	
East River	541,233	2	0.4	1	1	0	0	0	
South Dakota YTD	775,960	5	0.6	1	1	0	3	0	

Healthy Peoples 2010 objective is 4.5 new cases per 100,000 population

Diseases may be reported to the SD Dept of Health at <http://www.state.sd.us/doh/diseasereport>